

Re: U.S.S.N. 08/183,594

At page 11, para. 4, line 6, after "process" insert --the data in processor 1004,--.

At page 11, para. 4, line 6, after "data" insert --on printer 1008--.

At page 16, para. 2, line 1, delete "800".

At page 16, para. 2, line 1, replace "802" with --800--.

#### In the Claims

1. (Amended). A portable distance tracking system for use by a [player on a playing field] golfer on a golf course, wherein said [playing field] golf course includes at least a first land mark, and wherein said system comprises at least one mobile interface unit including:

A. a memory element including means for storing digitized map representations of [at least one said playing field] a plurality of golf courses;

B. position interface electronics including [means] a first GPS receiver for receiving position indicative signals from [an external source,] a Global Positioning System satellite constellation located in orbit around the Earth, wherein said position indicative signals are representative of a geographical location of said mobile interface unit;

C. a data processor, coupled to said memory element and to said position interface electronics, and including means for processing said position indicative signals to determine said geographical location of said mobile interface unit, means for corresponding said geographical location of said mobile interface unit with said digitized map representations to automatically identify a particular golf course that a golfer has selected to play, means for corresponding said geographical location of said mobile interface unit with said digitized map representation of said [playing field] particular golf course to determine a field location of said mobile interface unit on

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said [playing field] particular golf course, and means for determining a distance between said mobile interface unit and said first landmark; and

D. a player interface, coupled to said data processor, and including means for communicating at least said distance between said mobile interface unit and said first landmark to said player.

(Cancel claim 2.)

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3. (Amended) A portable distance tracking system according to claim [2] 1 wherein said system further comprises a GPS master unit, wherein said GPS master unit is positioned at a fixed location having known longitude and latitude coordinates and includes:

A. a second GPS receiver for receiving said position indicative signals from said Global Positioning System satellite constellation, and a [second] GPS processor having means for processing said position indicative signals to determine a calculated longitude and a calculated latitude for said fixed location of said GPS master unit, [;] and

B. wireless transmission means for transmitting an error correction signal to said mobile interface unit, wherein said error correction signal is based at least in part on a difference between said known longitude and latitude and said calculated longitude and latitude, and wherein

said position interface electronics includes [C.] wireless reception means for receiving said error correction signal from said GPS master unit, and said first GPS processor includes means for

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processing said error correction signal with said position indicative signals to determine a corrected geographical position of said mobile interface unit.

**(Cancel claim 4.)**

5. (Amended) A portable tracking system according to claim [2] 1 wherein said memory element includes a replaceable portion[, said replaceable portion being capable of] for storing said digitized map representations of said plurality of golf courses [different playing fields, thus enabling a player to uses said mobile interface unit at a plurality of playing fields].

In claim 6, line 1, replace "2" with --1--.

In claim 7, line 1, replace "2" with --1--.

In claim 8, line 1, replace "2" with --1--.

9. (Amended) A portable distance tracking system according to claim [2] 1 wherein said [at least one playing field is a golf course, said mobile interface unit further comprises a] player audio/visual] interface [having] further comprises a keyboard interface coupled to said data processor and including means for entering commands and data into said mobile interface unit, and a visual display interface having means for displaying entered commands and data.

10. (Amended) A portable distance tracking system according to claim 9 wherein said keyboard interface includes means for selecting a particular hole on said particular golf course to be played by signaling said data processor to access a portion of said digitized map representation for said particular golf course from said memory element.

**Cancel claim 11.**

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13. (Amended) A portable distance tracking system according to claim [9] 1 wherein said [system] data processor includes means for [processing said position indicative signals] corresponding said geographical location of said mobile interface unit with said digitized map representation of said particular golf course to automatically identify [determine] which particular hole on said particular golf course said golfer has selected to play.

In claim 19, line 2, after "selected" delete "hole".

In claim 21, line 3, between "said" and "golf course" insert "--particular--".

In claim 22, line 3, replace "position" with "--location--".

In claim 29, line 1, before "golf" insert "--particular--".

In claim 32, line 3, before "golf" insert "--particular--".

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36. (Amended) A system for determining the distance [to a hole] between a first location and a second location on a particular hole on a golf course, comprising:

(A) GPS receiver means, positioned at said first location, [arranged to receive] for receiving a global earth position of said first location;

(B) a memory element having means for storing digitized map representations of a plurality of holes on a golf course; and

[(B)] (C) processing means in communication with said GPS receiver means, comprising

i) means for correlating said global earth position with said digitized map representations to automatically identify said particular hole on said golf course [memory means for storing a location of at least one hole of said golf course], and

ii) [correlation] means for correlating said [global earth position] first location to said second location[, wherein] to determine the distance from said [global earth position] first location to said second location [is determined].

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In claim 38, replace "an LCD" with --a liquid crystal--.

<sup>36</sup>  
39. (Amended) A system according to claim <sup>33</sup>36 wherein said GPS receiver means is a differential GPS receiver having means for receiving and applying a correction signal, and further comprising stationary differential GPS receiver/transmitter means for operating in conjunction with, and transmitting said correction signal to, said differential GPS receiver means and being positioned [arranged] at a known global earth location geographically located with respect to said golf course[, said stationary GPS receiver/transmitter means operating in conjunction with, and transmitting said correction signal to, said differential GPS receiver means].

Cancel claim 40.

In claim 42, line 3, replace "adaptable for" with --in--.

Cancel claim 43.

<sup>39</sup>  
44. (New) A system according to claim <sup>33</sup>36 wherein said memory element includes means for storing digitized map representations of a plurality of golf courses and said system includes means for correlating said global earth position with said digitized map representations of said plurality of golf courses to automatically identify a particular golf course that a golfer has selected to play.

<sup>40</sup>  
45. (New) A system according to claim <sup>3</sup>36 wherein said system includes a visual display for displaying at least a portion of a particular hole that a golfer has selected to play on said

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particular golf course, and means for dynamically updating said displayed portion of said particular hole in dependence on said first location.

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~~46~~. (New) A method for determining the distance between a first location and a second location on a particular hole on a golf course, comprising:

(A) receiving a global earth position at a mobile interface unit at a first location from a GPS constellation;

(B) storing in said mobile interface unit digitized map representations of a plurality of holes on a golf course; and

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(C) processing in said mobile interface unit said global earth position and said digitized map representations by

i) correlating said global earth position with said digitized map representations to automatically identify said particular hole on said golf course, and

ii) correlating said first location to said second location to determine the distance from said first location to said second location.

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~~47~~. (New) A method according to claim ~~46~~ 41 comprising the further steps of

(A) storing digitized map representations of a plurality of golf courses; and

(B) correlating said global earth position with said digitized map representations of said plurality of golf courses to automatically identify a particular golf course that said golfer has selected to play.

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~~48~~. (New) A method according to claim ~~46~~ 41 comprising the further steps of

(A) displaying at said mobile interface unit a representation of at least a portion of said particular hole; and